



## Protacid™ F 120 NM alginic acid, NF

### Product Specifications:

#### Chemical and Physical:

Loss on drying, %	NMT 15.0
pH	1.5 to 3.5
ID-test	Positive
Ash, %	NMT 4.0
Particle size, % through 120 mesh BS	NLT 99.0
Acid value	NLT 230
FT-IR*	NLT 0.95

#### Test Methods

2080
2072
2011
2095
2221
2703
057A

#### Microbiological:

Total Plate Count, cfu/g	NMT 200	0144
Salmonella/ 10g	Negative	0158
E. coli/ 10g	Negative	0132

#### Heavy Metals:

Arsenic (As)*, ppm	NMT 3
Lead (Pb)*, ppm	NMT 10

This product complies with the ICH Guide Q3C for residual solvents.

\*Quarterly Analysis

NMT = Not More Than  
NLT = Not Less Than



**Product Shelf-life / Re-evaluation Date**

Recommended store at cool and dry conditions. Keep containers sealed as material is hygroscopic. 9 months from date of manufacture, if storage conditions stated above are observed. DuPont recommends that after the above re-evaluation date, the customer considers that loss on drying and pH are tested to establish whether material is still within listed specification.

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## Protacid™ F 120 NM Alginic Acid, Eur. Ph.

### Product Specifications:

#### Chemical and Physical:

#### Test Methods

Loss on drying, %	NMT 15	2080
pH	1.5 – 3.5	2072
ID-test	Positive	2011
Sulphated ash,%	NMT 8.0	2097
Particle size, % through 120 mesh BS	NLT 99.0	2221
Chlorides, %	NMT 1.0	2750
Assay, %	19.0 – 25.0	2704

#### Microbiological:

Total Plate Count (TAMC), cfu/g	NMT 200	0144
Salmonella/ 10g, cfu/g	Negative	0158
E. coli/ 1g, cfu/g	Negative	0132

This product complies with the ICH Guide Q3C for residual solvents.

NMT = Not More Than  
NLT = Not Less Than



**Product Shelf-life / Re-evaluation Date**

Recommended store at cool and dry conditions. Keep containers sealed as material is hygroscopic. Re-evaluation date is 9 months from date of manufacture, if storage conditions stated above are observed. DuPont recommends that after the above re-evaluation date, the customer considers that loss on drying and pH are tested to establish whether material is still within listed specification. Safety Data Sheets (SDS) available upon request.

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